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			FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.	
APPLICATION NO.	FI	LING DATE			1525	
10/009,808	04/12/2002		Etienne Honore Schacht	522-1768	1525	
	3500	07/13/2004	07/13/2004		EXAMINER	
	7590	***************************************		AZPURU, CARLOS A		
Lee Mann Sn		Williams				
Sweeney & Ol	hlson		ART UNIT	PAPER NUMBER		
PO Box 2786			1615			
Chicago, IL	60690-2	786	1013			

DATE MAILED: 07/13/2004

Please find below and/or attached an Office communication concerning this application or proceeding.

		Applicati	on No.	Applicant(s)				
		10/009,8	08	SCHACHT ET AL.				
	Office Action Summary	Examine	r	Art Unit				
		Carlos A.	<u> </u>	1615				
The MAILING DATE of this communication appears on the cover sheet with the correspondence address Period for Reply								
THE - Exte after - If the - If NO - Failu Any	ORTENED STATUTORY PERIOD FOR REPI MAILING DATE OF THIS COMMUNICATION nsions of time may be available under the provisions of 37 CFR 1 SIX (6) MONTHS from the mailing date of this communication. a period for reply specified above is less than thirty (30) days, a re- poperiod for reply is specified above, the maximum statutory period are to reply within the set or extended period for reply will, by statu- treply received by the Office later than three months after the mailined patent term adjustment. See 37 CFR 1.704(b).	.136(a). In no ev ply within the sta d will apply and w te, cause the app	rent, however, may a reply be tim tutory minimum of thirty (30) days rill expire SIX (6) MONTHS from blication to become ABANDONEI	nely filed s will be considered timely. the mailing date of this communication. O (35 U.S.C. § 133).				
Status								
1)	Responsive to communication(s) filed on							
,—		This action is non-final.						
3)□	<del>/ _</del>							
Disposit	ion of Claims							
5)□ 6)⊠ 7)⊠	Claim(s) 36-57 is/are pending in the application.  4a) Of the above claim(s) is/are withdrawn from consideration.  Claim(s) is/are allowed.  Claim(s) 36-51 and 53-57 is/are rejected.  Claim(s) 52 is/are objected to.  Claim(s) are subject to restriction and/or election requirement.							
Applicati	ion Papers							
10)⊠	The specification is objected to by the Examin The drawing(s) filed on 18 February 2004 is/a Applicant may not request that any objection to the Replacement drawing sheet(s) including the correct The oath or declaration is objected to by the E	re: a)⊠ aco e drawing(s) t ction is requir	oe held in abeyance. See ed if the drawing(s) is obj	37 CFR 1.85(a). ected to. See 37 CFR 1.121(d).				
Priority ι	ınder 35 U.S.C. § 119							
<ul> <li>12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).</li> <li>a) All b) Some * c) None of:</li> <li>1. Certified copies of the priority documents have been received.</li> <li>2. Certified copies of the priority documents have been received in Application No</li> <li>3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).</li> <li>* See the attached detailed Office action for a list of the certified copies not received.</li> </ul>								
2) 🔲 Notic 3) 🔯 Inforr	t(s) e of References Cited (PTO-892) e of Draftsperson's Patent Drawing Review (PTO-948) mation Disclosure Statement(s) (PTO-1449 or PTO/SB/08 r No(s)/Mail Date <u>08212003</u> .	)	4) Interview Summary ( Paper No(s)/Mail Dal 5) Notice of Informal Pa 6) Other:					

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## **DETAILED ACTION**

Receipt is acknowledged of the information disclosure statement filed 08/21/2003.

## Claim Rejections - 35 USC § 112

The following is a quotation of the second paragraph of 35 U.S.C. 112:

The specification shall conclude with one or more claims particularly pointing out and distinctly claiming the subject matter which the applicant regards as his invention.

Claims 12 and 50 are rejected under 35 U.S.C. 112, second paragraph, as being indefinite for failing to particularly point out and distinctly claim the subject matter which applicant regards as the invention.

Claim 12 is indefinite in that it fails to particularly point out what X2 entails. Clarification is requested.

Claim 50 is indefinite in that it appears to exclude hydroxy groups as functional end groups. However, it is unclear as to whether this is only when the end groups are unsaturated. Clarification is requested.

## Claim Rejections - 35 USC § 102

The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless -

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(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

Claims 36-49, and 51 are rejected under 35 U.S.C. 102(b) as being anticipated by GB 781,202 (Courtaulds Limited).

Courtaulds Limyted discloses polyamides and production of polypeptides (see page 1, col. 1, lines 9-13). Among the amino acid derivatives for polymerization is anhydrocarboxyamino acid of gamma –benzyl-L-glutamate (see page 1, col. 1, lines 21-22). Various Other amino acids for possible incorporation into the polymerized form are also listed at page 1, col. 1, lines 23-31; col. 2, lines 32-35). The protective end groups of the claims are readily apparent in the written formula of isoleucine for example. Enzymatic degradation of polypetides is inherent since deamination occurs naturally in physiological systems. The patent also goes on to state that the reaction is initiated by catalysts, of which primary amines are particularly preferred. The polymerized forms of these disclosed amino acids appear to anticipate the formulae of the claims.

Claims 50, 53, and 54 are rejected under 35 U.S.C. 102(b) as being anticipated by De Marre et al.

De Marre et al disclose polyamides and production of a polyglutamine which is suitable as a carrier for macromolecular drugs. Enzymatic degradation

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of polypetides is inherent since deamination occurs naturally in physiological systems. The claims are anticipated by De Marre et al.

Claims 38-51, 53-57 are rejected under 35 U.S.C. 102(b) as being anticipated by Schacht et al.

Schacht et al disclose various linear and multifunctional poly aminoacids which have functional groups at either end or in the middle (see Diagrams and Example 5). The diagrams also outline the process of making the poyamino acid. The method is also outlines under the "Summary of Invention" at col. 2, lines 27-65. Polyhydroxyethyl-glutamine is disclosed for use at col. 4, lines 62-63. Enzymatic degradation of polypetides is inherent since deamination occurs naturally in physiological systems. A synthetic polymer based vehicle for delivery of nucleic acids is disclosed in the claims, and is disclosed for various treatments at col. 3, lines 6-10. The instant claims are anticipated by Schacht et al.

Claim 52 is objected to as dependent upon a rejected base claim.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Carlos A. Azpuru whose telephone number is (571) 272-0588. The examiner can normally be reached on Tu-Fri, 6:30 am -5:00 pm.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Thurman K Page can be reached on (571) 272-0602. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

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CARLOS A. AZPURU PRIMARY EXAMINER GROUP 1800